

# EUROPEAN PATENT OFFICE

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## Patent Abstracts of Japan

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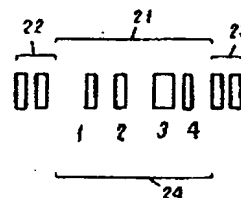
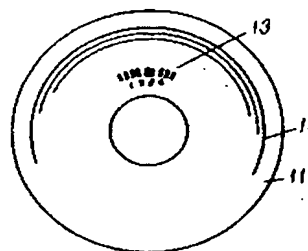
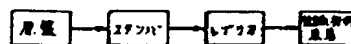
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APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : TANIGAWA YASUHIKO;

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TITLE : OPTICAL DISK



**ABSTRACT :** **PURPOSE:** To obtain a high-performance optical disk with a small dropout and automate process control over disk manufacture, inspection, etc., by recording identification information on a manufacturer's serial number, etc., during the vapor deposition of a recording film so that it is readable both optically and by a man.

**CONSTITUTION:** The identification information on the manufacturer's serial number of the disk, etc., is recorded on a vapor-deposited film for recording film vapor deposition. Disk manufacturer's serial numbers 21 and 24 are recorded at the inner periphery of the disk so as to utilize an information area effectively; and the manufacturer's serial number 21 has one digit expressed with a four-bit BCD code and respective bits are recorded to such length (low frequency) that there is no influence of a defect in vapor deposition of the recording film. Further, manufacturer's serial numbers 21 and 24 and start and end signals 22 and 23 limit the recording film vapor-deposition area at the inner periphery. A shield material in a slit shape is fitted to attain recording by utilizing whether the recording film is present or not. When this disk is inspected, the disk 11 is loaded and rotated by a disk motor and an optical means is used for the serial number 21, start signal 22, and end signal 23 to read the information. The serial number 24 is utilized when the man reads it and identifies the disk.

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